

EQ-M-16-433
30 JUN 1976

MEMORANDUM FOR: Director of Joint Computer Support

FROM :
Director of Communications

SUBJECT : Automation of the OC Repair and Return (R&R)
Inventory Management System

1. This memorandum requests that your office conduct a feasibility study to define the scope of work and facilities required for the automation and support of the OC Repair and Return (R&R) Inventory Management System.

2. The function of the R&R system is to support the Agency communications network by providing a quick response equipment replenishment service. Because of the increasing complexity of equipment installed to support the network and the inflated cost of spares stock, the R&R inventory management is crucial to cost-effective operation of the network.

3. Currently the R&R system has an inventory of over 15,000 line items which includes both expendable and non-expendable property. Immediate needs would require file storage and processing for the items contained in the following categories:

- | | |
|--|----------------|
| a. Teletype | - 10,000 items |
| b. | - 1,200 items |
| c. SKYLINK | - 2,500 items |
| d. ARS | - 1,200 items |
| e. | - 100 items |

The data storage requirements computed on the number of line items, characters per line (compression considered) and the line numbers per item totals 28 Mbytes.

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4. Future requirements call for the following categories to be included in the inventory management system:

- a. [] - 2,000 items
- b. Crystal inventory
- c. Service contracts
- d. Small parts inventory

We do not have at this time a projected storage requirement for these items. It is expected however, that one of the attached file formats will be applied to these categories.

5. Tentative file and display formats showing the information structure, which would be required in the management system, are included as attachments. Although not directly indicated, there are some special reports which would also be required, for instance, periodic or demand reorder reports based on quantities on hand. We would expect to further define these reports during the analysis and feasibility study phase.

6. [] the OC ADP Systems Administrator, can be contacted on extension [] for further discussion or information pertaining to this subject.

for

Attachment:
Tentative File and Display Formats

PART NO.	NOUN	COST	OH	RO	DI	LOCATION
Approved For Release 2003/05/14 : CIA-RDP79-01578A000200110015-1						
1 Line						
FROM THE FIELD					TO THE FIELD	
DATE	VOUCHER NO.	QUANTITY	STATION	SHIPPED	DATE	VOUCHER NO. QUANTITY STA
28 Lines					28 Lines	
OUTSTANDING REQUISITIONS						
DATE OUT	REQN. NO.	QUANTITY OUT	QUANTITY IN	TOTAL ON ORDER		
8 Lines						

DESCRIPTION

- Part No. - Teletype part number. Operator should be able to obtain access to information by typing this number.
- NOUN - Noun description of part. Operator should be able to obtain access to information by typing this noun.
- COST - Cost of item. Will vary with time.
- OH - Number of parts on hand. Varies with requisitions and shipments to the field.
- RO - Number of parts at which some type of reorder signal is given.
- DI - Number of parts to reorder after signal is given.
- LOCATION - Physical location of part in stock.
- DATE - Dates should be julian in form.
- TOTAL ON ORDER - Varies with quantity out, quantity in, and DI.
- FIELD INFORMATION - 28 transactions, then delete first transaction and roll all others one line
- REQUISITION INFORMATION - 8 lines. Delete and roll as above.

[] - 1200 line items, AND 1200 line items
 PART NO. NOUN EQUIPMENT LOCATION
 TECH REQ. S/N ISSUED TO SHIP. NR. DATE D.I.-S/N DATE REC'D TM#

30 Lines

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DESCRIPTION

PART NO. AND NOUN - Operator should be able to obtain access to information by typing either

EQUIPMENT - Nomenclature of unit that part is used in.
 MANUFACTURER - Manufacturer of unit.
 S/N - Serial number of part sent to field.
 ISSUED TO - Where sent.
 SHIP. NR. - Shipping number.
 D.I.-S/N - Serial number of part obtained from field.
 TM# - Method of transportation.

Reorder as in Teletype.
 30 lines, then delete and roll.

ITEM NO.	NOUN	CKT. SYM.	EQUIPMENT	OH	MANUFACTURER	RO	DI	LOCATIO
Approved For Release 2003/05/14 : CIA-RDP79-01578A000200110015-1								
TECH REQ.	S/N	ISSUED TO	SHIP. NR.	DATE	D.I.-S/N	DATE REC'D	TM#	

30 Lines

DESCRIPTION

ITEM NO. - Used instead of Part No.
 CKT. SYM.- Card title.

Operator should be able to obtain access to information by typing item no., noun, or ckt. sy

Reorder as in Teletype.
 30 lines, then delete and roll.